

CLAIMS

5 1. Arrangement for measuring a property of a fluid (17) present in a tube (3),
with a sensor (13) for measuring the property, which sensor (13) is disposed on
the tube (3) and is in direct contact with the fluid (17) through a lateral access
10 (11),
characterised in that the tube (3) comprises a domed wall portion (7),
the domed wall portion (7) has a seal surface (9) on its outer side,
the lateral access (11) is arranged in the seal surface (9),
and the sensor (13) is arranged in a sealed manner on the seal surface (9) over
15 the lateral access (11).

2. Arrangement according to claim 1, **characterised in that** the seal
surface (9) is a level surface.

20 3. Arrangement according to claim 1 or 2, **characterised in that** the
whole tube (3) is bent to form the domed wall portion (7).

4. Arrangement according to claim 1 or 2, **characterised in that** the
wall (5) of the tube (3) is bulged outwardly on one side of the tube (3) to form
the domed wall portion (7).

25 5. Arrangement according to any one of the previous claims,
characterised in that the wall (5) of the tube (3) forms the seal surface.

6. Arrangement according to any one of the previous claims, characterised in that the sensor (13) is adhered on to the seal surface (9).

5 7. Arrangement according to any one of the previous claims, characterised in that the sensor is a temperature sensor, a pressure sensor, a flow meter or a conductivity sensor (13).

10 8. Arrangement according to any one of claims 2 to 7, characterised in that the lateral access (11) is formed by levelling away of the wall (5) of the tube (3) on the outer side of the domed wall portion (7) along a flat plane.

15 9. Arrangement according to claim 8, characterised in that the lateral access (11) is formed by grinding.

20 10. Arrangement according to any one of the previous claims, characterised in that the tube (3) is elastic and/or flexible.

25 11. Arrangement according to any one of claims 1 to 9, characterised in that the tube (3) is rigid.

12. Arrangement according to claim 11, characterised in that the tube (3) is of metal, plastics or glass.

25 13. Dialysis monitor with an arrangement according to any one of the previous claims.

7 add A'